Mohan C
Senior Engineer - Transmissions

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📍 Bengaluru, Karnataka

📷 PROFILE

- Currently working on testing and development of transmission system in automotive vehicles on powertrain testbed.
- Internally transferred to Mechanical Development Team for Transmission development.
- Simultaneously working on development of effect of synchronizers in gear shift performance of transmission system using MATLAB
- Managing technicians and workload for 3 shifts per day in powertrain testbed and reporting to Manager
- Deadline-driven ANSA, pre-processing software with 2.5 years of prior experience in powertrain engineering. Worked under tight schedules and limited budgets to achieve deliverables of projects from customers ranging from MC, LMV to HMV and Marine Engines.

💼 EXPERIENCE

AVL Technical Centre India Private Limited
Gurugram, Haryana
Apr 2018 > Current

Engineer – Analysis / Transmission – Mechanical Development

- Worked a piston bowl analysis model using AVL Fire.
- Worked on building model for static analysis of bracket for engine auxiliaries using Hypermesh/ANSA and Abaqus. (Data acquisition, FE modelling and Model build up)
- Developing a client specific FE model quality FE model for power train components for CFD, structural and NVH analysis and exhaust system components for thermo-mechanical loading.
- Worked on building a work flow standard to develop and adopt new practice in ANSA and Hypermesh to increase efficiency in task.

General Motors Technical Center Pvt Ltd
(Payroll Basis : CSG)
Bengaluru, Karnataka
Jan 2017 > Aug 2017

CFD Engineer - Meshing

- Modeled components and sub assemblies of underhood in Automotive systems using ANSA preprocessing software for CFD Analysis

🎓 EDUCATION

Vemana Institute Of Technology Koramangala,
B.E– Mechanical Engineering
2011 > 2016

INCPUC, Kairalee Nikethan Education Trust Indiranagar,
Pre-University College PCMB - 2009 > 2011

Sree Venkateshwara High School KR Puram, Bengaluru
High School
2004 > 2009

Software and other skills :

- ANSA
- Hypermesh
- MATLAB Simulink
- Abaqus
- AVL Boost
- AVL Concerto
- AVL Fire
- Microsoft Office
- Solidedge
- Product development
- Data management

Languages :

- Kannada
- English
- Hindi
- Telugu

Interests :

- Automotive technologies
- Powertrain Engineering
- Research and Development